

Event-8

STEM training over AI and Data Science

[Std. 9,10 students of Shakti Schools, Rajkot]

Date:12-08-2023

By

Data Science Club

**Information and Communication
Technology**



Faculty of Technology

Marwadi University, Rajkot

Club Mentor:

Prof. Nishith Kotak

Assistant Professor,

ICT Dept., MU

DS Club, ICT department organized sessions for students of “SHAKTI SCHOOL” on 12-08-2023(Saturday). Session began at 9 o’clock in Marwadi university lab MA-112. The event covered a variety of topics related to the department's curriculum, university culture, and the field of data science. Here's a summary of what happened in event.

1.Welcome and Introduction: The event began with a warm welcome from the faculty of the ICT department and club members. Students were divided into three groups and assigned to different clubs.

2.Overview of Marwadi University: The students were given an introduction to Marwadi University, including its curriculum, opportunities, infrastructure, and placement prospects. The diverse range of learning technologies available in the department was highlighted.

3.Introduction to AI and ML: The session then delved into the core discussion about Artificial Intelligence and Machine Learning. Real-world examples like recommendation systems, face recognition, and fingerprint systems were used to explain these concepts.

4.Interactive Discussion: The students were encouraged to share their observations related to AI in their daily routines, making the session more interactive. The students showed interest and engaged actively.

5.Introduction to Data Science Club: The Data Science Club was introduced, along with its role in organizing tech-related activities and engaging students. The committee members of the club and their contributions were highlighted.

6.Machine Learning Demonstration: A project created by an ICT student, involving hand gesture identification, was showcased to demonstrate machine learning using Python. The students found the example engaging and asked questions.

7.Tesla Example: The session then transitioned to discussing Tesla and its use of AI, sparking deeper discussions among the students.

8.Activity on Google Trends: An activity on Google Trends was conducted after ensuring that students understood the basics of graphs. So basically google trends is a platform digital platform developed by google it self, where it gives us graph representation of search of last 3 days of given input topic.The students actively participated, adding an interactive element to the session.

9.Understanding Data: The importance of data was explained to the students, who might have been unfamiliar with the term. The Google Trends activity allowed them to gain practical experience.

10.Introduction to ChatGPT: The concept of ChatGPT was introduced as a remarkable AI tool. Students were curious and asked numerous questions about it.

11.Graph Activity on Excel: Volunteers engaged in an activity involving graph creation in Excel, enhancing the hands-on learning experience.

12.Confidence Building: In between these activities We were calling student upon the stage for answering questions and for appreciating them for given answer through which confidence building exercise was being done. It helps them to get rid of stage fear and boost confidence.

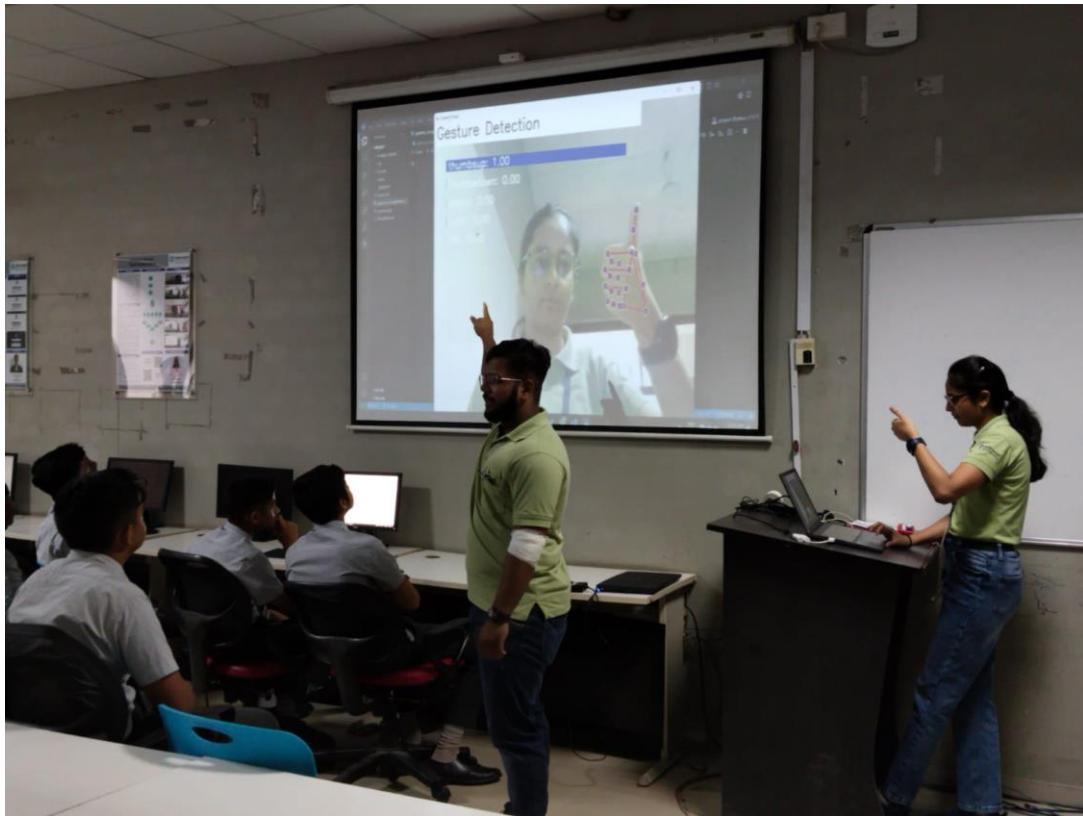
13.Student-Made Game Presentation: A game developed by an ICT student, the "Super Mario" game with automatic gameplay, was demonstrated. This led to an interactive question and answer session about the game's mechanics and possibilities.

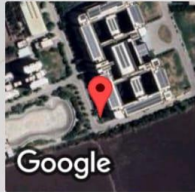
14.Closing and Reflection: The session concluded on a positive note, having been fruitful for both the students and the organizers. It provided insights, practical examples, and interactions that contributed to a well-rounded learning experience.

Participants: 110 students (Std. 9th and 10th of Shakti School, Rajkot)










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